

Notice of Allowability

Application No.

09/910,169

Examiner

Minerva Rivero

Applicant(s)

DECARY ET AL.

Art Unit

2655

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 9/28/05.
2. ☒ The allowed claim(s) is/are 1-12, 15-38 and 40-48.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 1/18/06.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☒ Other Interview Summary.

DETAILED ACTION

1. In the Remarks submitted 9/28/05, Applicants amended claims 1, 15, 38 and 40-43, cancelled claims 13 and 39, and submitted arguments regarding the allowability of the pending claims.

Response to Arguments

2. Applicant's arguments, see Remarks, filed 9/2/05, with respect to claims 1, 3-5, 7, 9-11, 13-24, 26-31, 33-41, 44-46 and 48 have been fully considered and are persuasive. The rejection of claims 1, 15 and 38 has been withdrawn.

Allowable Subject Matter

3. The following is an examiner's statement of reasons for allowance:

4. Regarding claim 15, Paik *et al.* disclose a method for extracting information from a Web page document comprising:

performing a lexical analysis on a given Web page document to identify elements of interest, the elements of interest producing formal names (*extracting information using natural language processing techniques*, Col. 4, Lines 57-66; *identifying proper*

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names, Col. 9, Lines 50-51; *the first concept in a CRC (concept-relation-concept) is a proper name*, Col. 3, Lines 49-58); and suggest

resolving aliases of the produced formal names and additional formal names to form a working set of names of people and/or organizations named in the given Web page document (*removing redundant CRCs (concept-relation-concept)*, see *CRC Combiner*, Col. 20, Lines 22-30; *the first concept in a CRC (concept-relation-concept) is a proper name*, Col. 3, Lines 49-58).

However, Paik *et al.* do not disclose nor fairly suggest detecting a regular recurrence of a certain type of element, the detecting producing additional formal names.

Therefore claim 15, and its dependent claims, 16-37, are allowed.

5. Regarding claims 1 and 38, Paik *et al.* disclose a method and computer apparatus for extracting information from a Web page comprising:

a source of Web pages of interest (*World Wide Web*, Col. 4, Lines 15-19);

an extractor coupled to receive Web pages from the source, the extractor being computer implemented and using natural language processing to extract desired information from the Web pages (*computer system for extracting information using natural language processing*, Col. 4, Lines 57-67); and

a storage subsystem coupled to the extractor for storing the extracted desired information in a data store (*file storage subsystem*, Col. 6, Line 67 – Col. 7, Line 2).

using natural language processing, finding possible formal names on a given Web page, the step of finding producing a first found set of formal names (*extracting information using natural language processing techniques*, Col. 4, Lines 57-66; *identifying proper names*, Col. 9, Lines 50-51; *the first concept in a CRC (concept-relation-concept) is a proper name*, Col. 3, Lines 49-58); and suggest

refining a combined set of formal names formed of the first found set and the second set, said refining producing a working set of people and organization names extracted from the given Web page (*removing redundant CRCs (concept-relation-concept)*, see *CRC Combiner*, Col. 20, Lines 22-30; *the first concept in a CRC (concept-relation-concept) is a proper name*, Col. 3, Lines 49-58).

However, Paik *et al.* do not disclose nor fairly suggest searching the given Web page for formal names not found by the natural language processing step of finding, said searching using pattern matching techniques and producing a second set of formal names.

Therefore claims 1 and 38, and their dependent claims, 2-12 and 40-48, respectively, are allowed.

6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

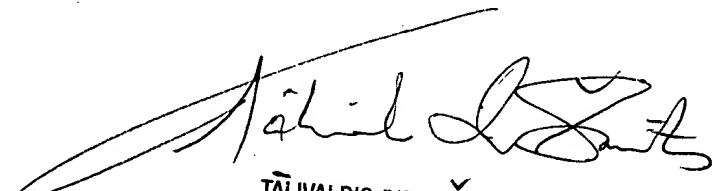
Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Minerva Rivero whose telephone number is (571) 272-7626. The examiner can normally be reached on Monday-Friday 9:00 am - 6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wayne Young can be reached on (571) 272-7582. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MR 1/19/06



TĀLIVALDIS IVARS ŠMITS
PRIMARY EXAMINER